

Title (en)
Doherty amplifier

Title (de)
Doherty-Verstärker

Title (fr)
Amplificateur de Doherty

Publication
EP 2660973 A1 20131106 (EN)

Application
EP 13156946 A 20130227

Priority
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Abstract (en)
According to one embodiment, a Doherty amplifier (1) includes: a distributor (11) which distributes a high-frequency signal inputted into two; a carrier amplifier (12) which amplifies one output signal from the distributor (11); a first filter circuit (13) through which an all-frequency-range component of an amplified signal from the carrier amplifier (12) passes, and which shifts a phase of the amplified signal; a second filter circuit (14) through which an all-frequency-range component of another output signal from the distributor (11) passes, and which shifts a phase of the another output signal, a peak amplifier (15) which amplifies an output signal from the second filter circuit (14); and a combiner (16) which combines an amplified signal from the peak amplifier (15) and an output signal from the first filter circuit (13). At least one of the first filter circuit (13) and the second filter circuit (14) is constituted by lumped-parameter elements.

IPC 8 full level
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H03F 3/68 (2013.01 - KR US); **H03F 2200/168** (2013.01 - EP US)

Citation (search report)
• [A] EP 0899875 A2 19990303 - TEMIC SEMICONDUCTOR GMBH [DE]
• [XII] MEHDI SARKESHI ET AL: "A novel Doherty amplifier for enhanced load modulation and higher bandwidth", MICROWAVE SYMPOSIUM DIGEST, 2008 IEEE MTT-S INTERNATIONAL, IEEE, PISCATAWAY, NJ, USA, 15 June 2008 (2008-06-15), pages 763 - 766, XP031343110, ISBN: 978-1-4244-1780-3

Cited by
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DOCDB simple family (application)
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